

Datasheet: MCA560GA

Description:	MOUSE ANTI GUINEA PIG LYMPHOCYTES AND LANGERHANS CELLS
Specificity:	LYMPHOCYTES
Format:	Purified
Product Type:	Monoclonal Antibody
Clone:	MsGp2
Isotype:	IgG1
Quantity:	0.1 mg

Product Details

Applications

This product has been reported to work in the following applications. This information is derived from testing within our laboratories, peer-reviewed publications or personal communications from the originators. Please refer to references indicated for further information. For general protocol recommendations, please visit www.bio-rad-antibodies.com/protocols.

	Yes	No	Not Determined	Suggested Dilution
Flow Cytometry	▪			1/50 - 1/200
Immunohistology - Frozen	▪			
Immunohistology - Paraffin			▪	
ELISA			▪	
Immunoprecipitation			▪	
Western Blotting			▪	
Immunofluorescence	▪			

Where this product has not been tested for use in a particular technique this does not necessarily exclude its use in such procedures. Suggested working dilutions are given as a guide only. It is recommended that the user titrates the product for use in their own system using appropriate negative/positive controls.

Target Species	Guinea Pig
Product Form	Purified IgG - liquid
Preparation	Purified IgG prepared by affinity chromatography on Protein A from tissue culture supernatant
Buffer Solution	Phosphate buffered saline
Preservative Stabilisers	0.09% Sodium Azide (NaN ₃)
Carrier Free	Yes

Approx. Protein Concentrations	IgG concentration 1.0 mg/ml
Immunogen	Nylon wool adherent B cells
Fusion Partners	Spleen cells from immunized BALB/c mice were fused with cells from the NS1 mouse myeloma cell line
Specificity	<p>Mouse anti Guinea Pig lymphocytes and Langerhans cells antibody, clone MsGp2 recognizes an antigen present on the majority of T and B lymphocytes and thymocytes, although the antigen is not expressed by germinal centre cells of the lymph node (Kraal et al. 1986).</p> <p>Mouse anti Guinea Pig lymphocytes and Langerhans cells antibody, clone MsGp2 also reacts strongly with epidermal Langerhans cells, giving a superior profile than anti-MHC Class II antibodies on these cells (Healey et al. 1987). Clone MsGp2 does not functionally inhibit lymphocyte adherence to high endothelial venules <i>in vitro</i> (Healey et al. 1987).</p>
References	<ol style="list-style-type: none"> 1. Baker, D. <i>et al.</i> (1987) Induction of sensitization and tolerance in contact sensitivity with haptenated epidermal cells in the guinea-pig. Immunology. 62 (4): 659-64. 2. Schäfer, H. <i>et al.</i> (1991) T cell proliferation induced by monoclonal antibodies to a phosphatidylinositol-linked differentiation antigen of guinea pig lymphocytes. Eur J Immunol. 21 (3): 701-5. 3. Sato H & Kamiya H (1995) Role of epidermal Langerhans' cells in the induction of protective immunity to <i>Schistosoma mansoni</i> in guinea-pigs. Immunology. 84 (2): 233-40. 4. Schäfer, H. & Burger, R. (2012) Tools for cellular immunology and vaccine research the in the guinea pig: monoclonal antibodies to cell surface antigens and cell lines. Vaccine. 30 (40): 5804-11. 5. Mendoza, J.M. <i>et al.</i> (2013) Elucidating the Kinetics of Expression and Immune Cell Infiltration Resulting from Plasmid Gene Delivery Enhanced by Surface Dermal Electroporation. Vaccines (Basel). 1 (3): 384-97. 6. Smith, T.R. <i>et al.</i> (2014) DNA vaccination strategy targets epidermal dendritic cells, initiating their migration and induction of a host immune response. Mol Ther Methods Clin Dev. 1: 14054.
Storage	<p>This product is shipped at ambient temperature. It is recommended to aliquot and store at -20°C on receipt. When thawed, aliquot the sample as needed. Keep aliquots at 2-8°C for short term use (up to 4 weeks) and store the remaining aliquots at -20°C.</p> <p>Avoid repeated freezing and thawing as this may denature the antibody. Storage in frost-free freezers is not recommended.</p>
Guarantee	12 months from date of despatch
Health And Safety Information	Material Safety Datasheet documentation #10040 available at: https://www.bio-rad-antibodies.com/SDS/MCA560GA 10040

Related Products

Recommended Secondary Antibodies

Goat Anti Mouse IgG (STAR77...)	HRP
Rabbit Anti Mouse IgG (STAR12...)	RPE
Goat Anti Mouse IgG IgA IgM (STAR87...)	Alk. Phos. , HRP
Goat Anti Mouse IgG (STAR76...)	RPE
Rabbit Anti Mouse IgG (STAR13...)	HRP
Goat Anti Mouse IgG (STAR70...)	FITC
Goat Anti Mouse IgG (H/L) (STAR117...)	Alk. Phos. , DyLight®488 , DyLight®550 , DyLight®650 , DyLight®680 , DyLight®800 , FITC , HRP
Rabbit Anti Mouse IgG (STAR9...)	FITC
Goat Anti Mouse IgG (Fc) (STAR120...)	FITC , HRP

Recommended Useful Reagents

[MOUSE ANTI GUINEA PIG T LYMPHOCYTES \(MCA564GA\)](#)

North & South America	Tel: +1 800 265 7376 Fax: +1 919 878 3751 Email: antibody_sales_us@bio-rad.com	Worldwide	Tel: +44 (0)1865 852 700 Fax: +44 (0)1865 852 739 Email: antibody_sales_uk@bio-rad.com	Europe	Tel: +49 (0) 89 8090 95 21 Fax: +49 (0) 89 8090 95 50 Email: antibody_sales_de@bio-rad.com
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